US Army Corps of Engineers
Engineering and Support Center, Huntsville

Electronic Security Systems

Program & Project Management Principles

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Topics

- **HNC Overview**
  - Vision
  - Charter
  - HNC Organization/Responsibilities
  - Volume ($) of Work
  - Values
  - Campaign Plan, Goals, Objectives
  - Project Coordination Principles

- **Electronic Security System Program Principles**
  - Mission
  - Services
  - Organization
  - History
  - Customers
  - Funding - Volume ($) of Work
  - Project Management Business Process
  - Project Management Plan
  - Quality Policy/Quality Management
  - Metrics

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HNC Vision

Vision

We are the U.S. Army Engineers. We will support the global reach of the U.S. Army. We will be the Engineering organization of choice for turn-key planning, management, and execution of unique, hazardous, non-traditional, or high risk missions that are critical to the War-fighter and the National Defense.

- We will be a unique team of highly trained, motivated, and dedicated individuals with unrivaled skills in program management, engineering solutions, and contracting alternatives
- We will be DoD's fastest, most agile and most versatile team
- We will be customer focused, aggressive, proactive, innovative and performance based; providing quality and timely service

- We will lead, manage, and integrate centralized programs meshing together the entire set of Corps assets with a broad and versatile base of private sector suppliers

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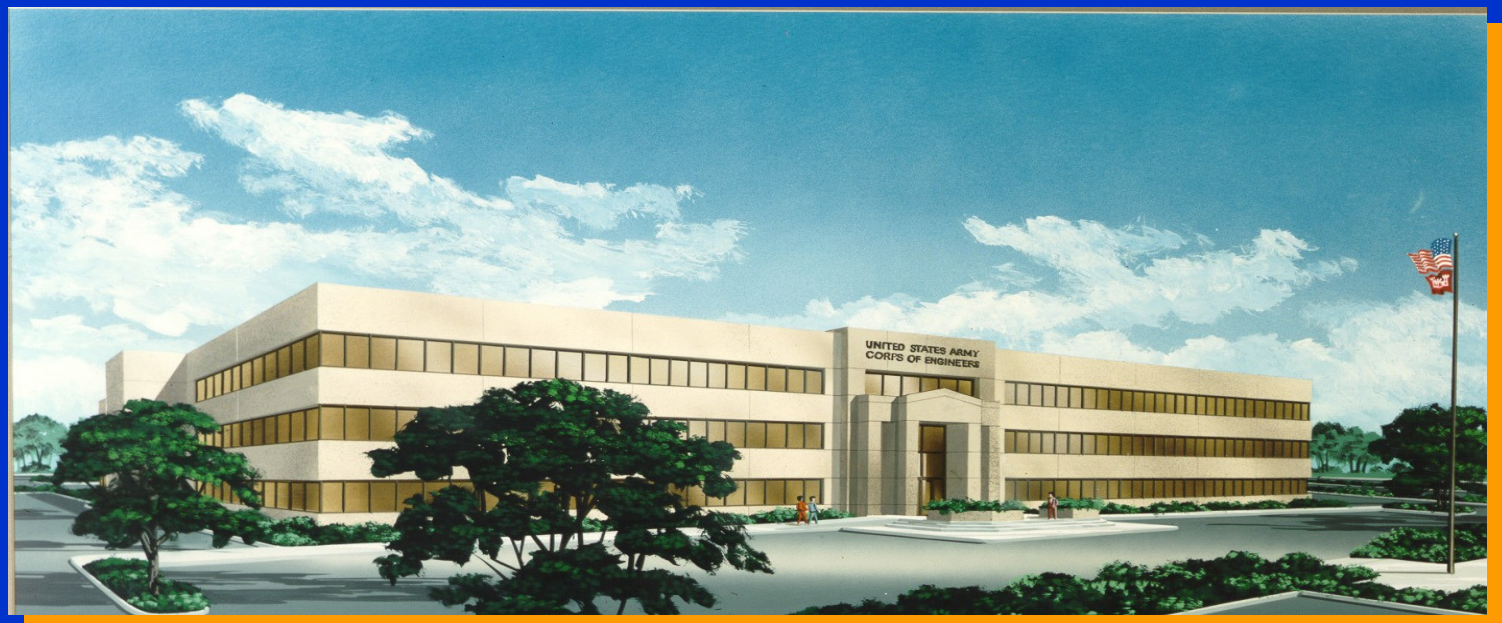

Huntsville Center's Charter--

- **Require functions not normally accomplished by an HQUSACE element.**
- **Are national or broad in scope.**
- **Require a centralized management structure.**
- **Require integrated facilities or systems that cross geographic division boundaries.**
- **Require commonality, standardization, multiple-site adaptation, or technology transfer.**

Huntsville Organization

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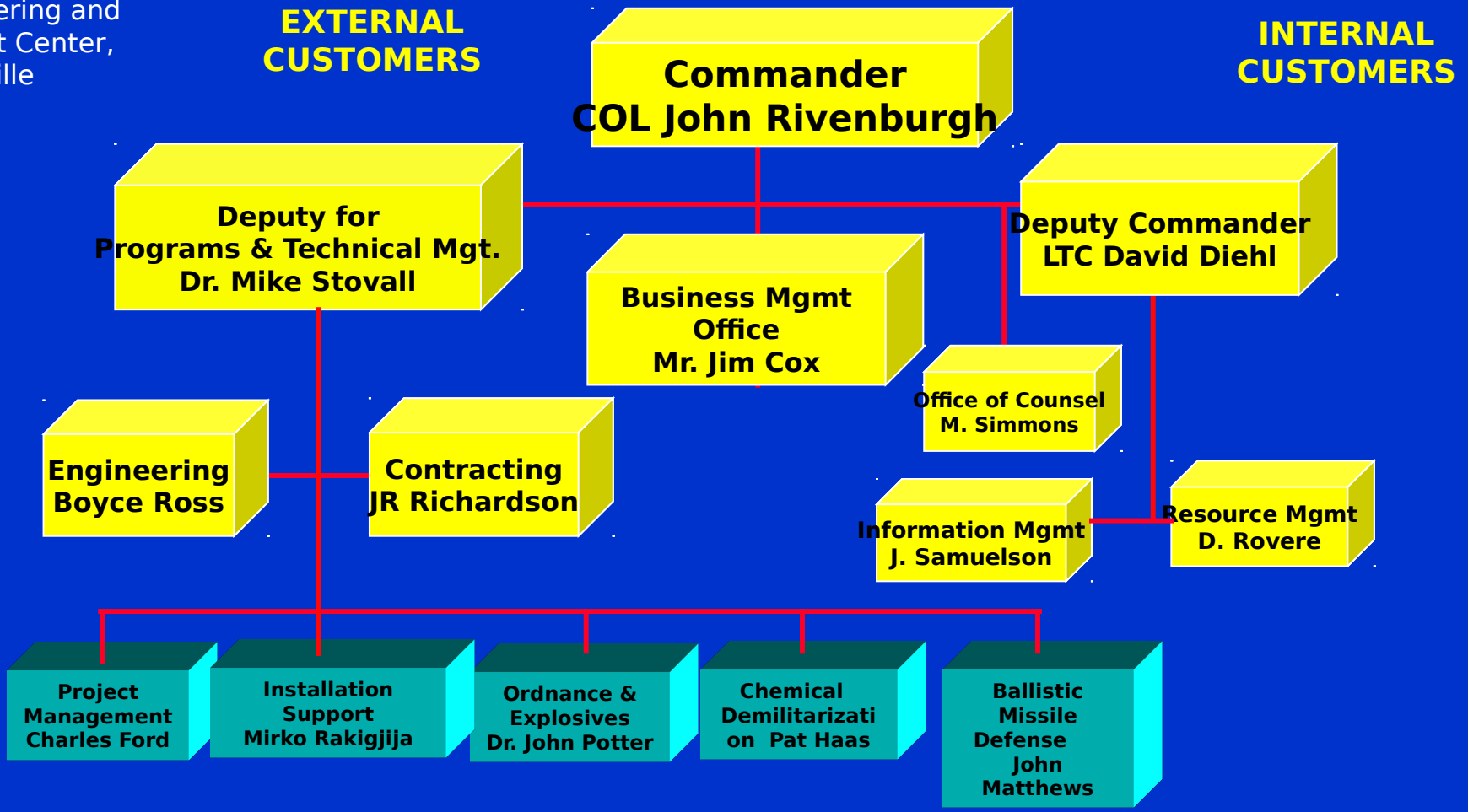

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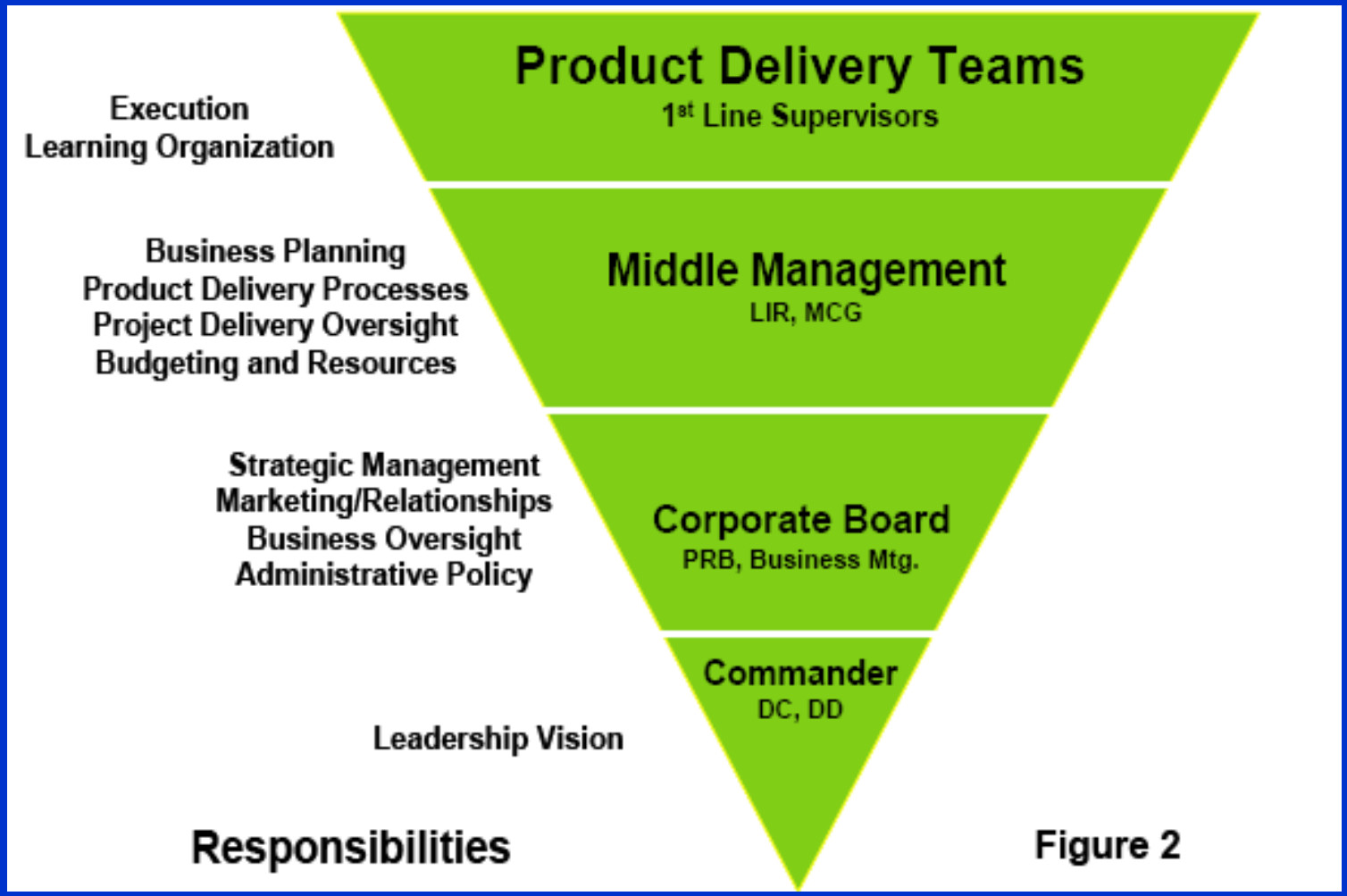
Responsibilities



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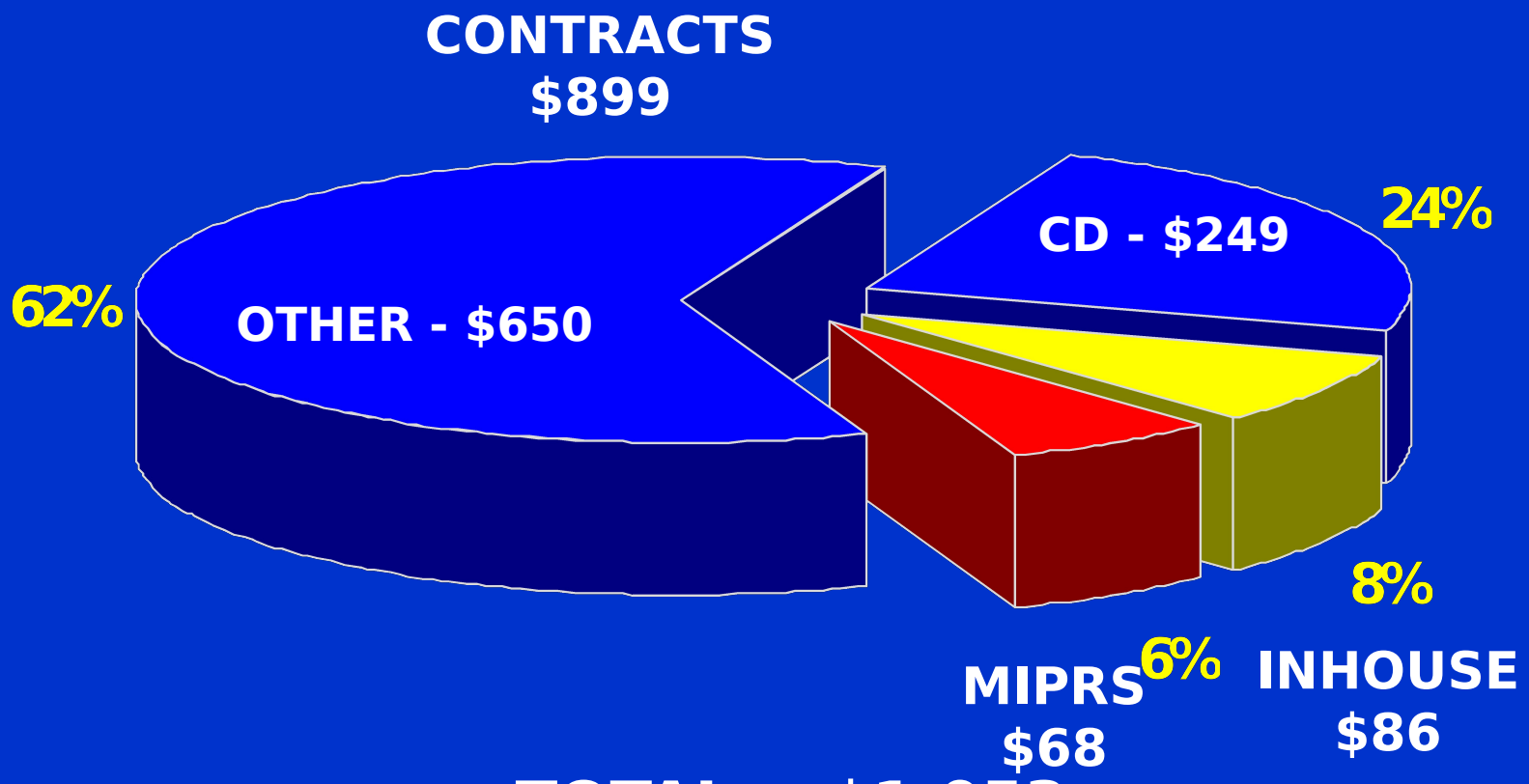
FY05 OBLIGATIONS BY TYPE

(MILLIONS)



TOTAL = $1,053

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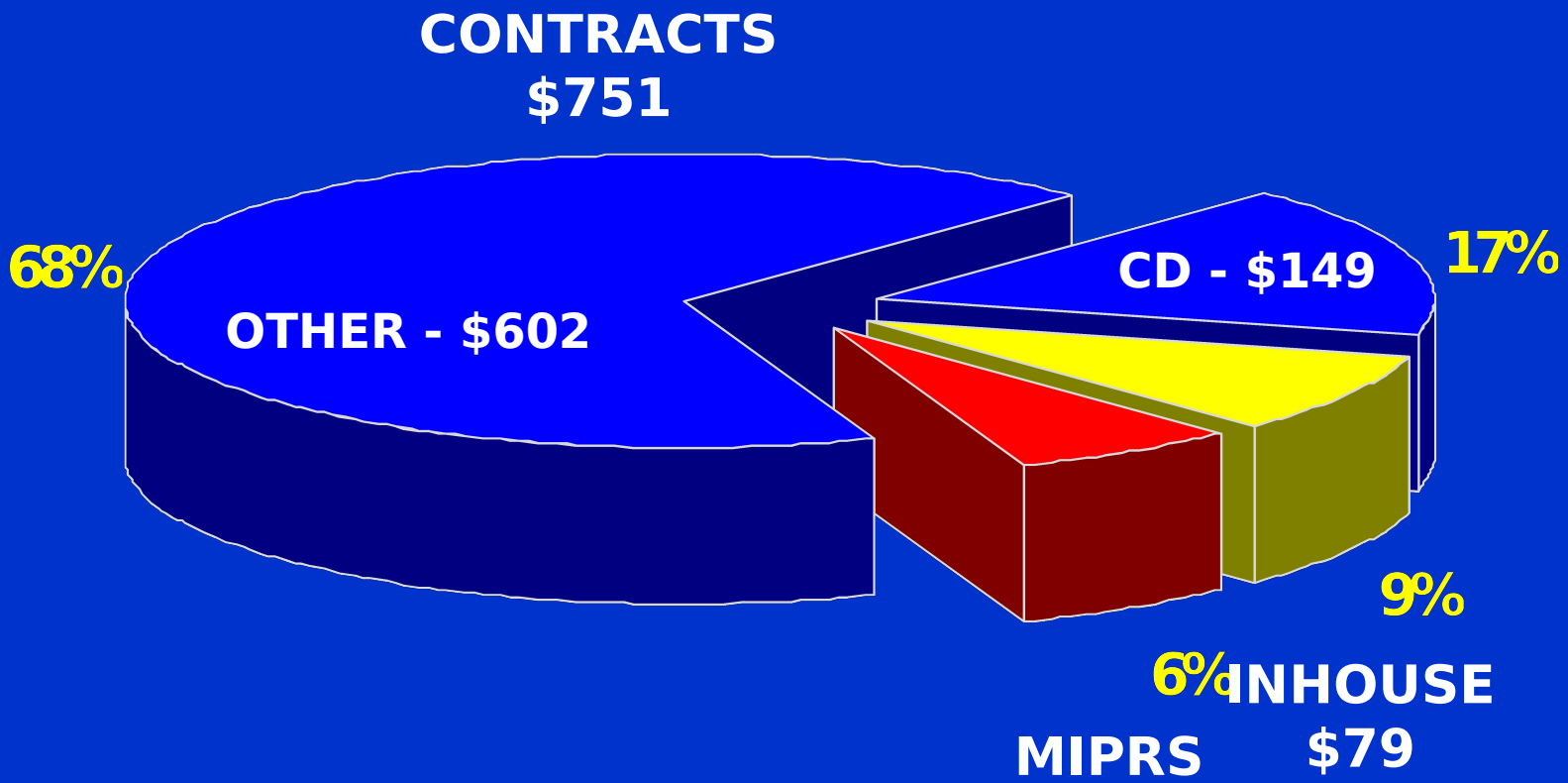
FY06 ESTIMATED OBLIGATIONS BY TYPE

(MILLIONS)



TOTAL = $889

Huntsville Center Selflessly Serving

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- 646 Personnel
  - Engineers
  - Scientists
  - Construction Experts
  - Explosive Ordnance Disposal
  - General and Administrative Professionals
  - Contract Specialists
  - Hurricane Relie

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HNC/Army Values

- **Loyalty**
- **Duty**
- **Respect**
- **Selfless Service**
- **Honor**
- **Integrity**
- **Personal Courage**

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HNC Campaign Plan

- Campaign plan developed to facilitate our Strategic and Business Planning Process
- Focus of goals & objectives
  - People
  - Process
  - Communication

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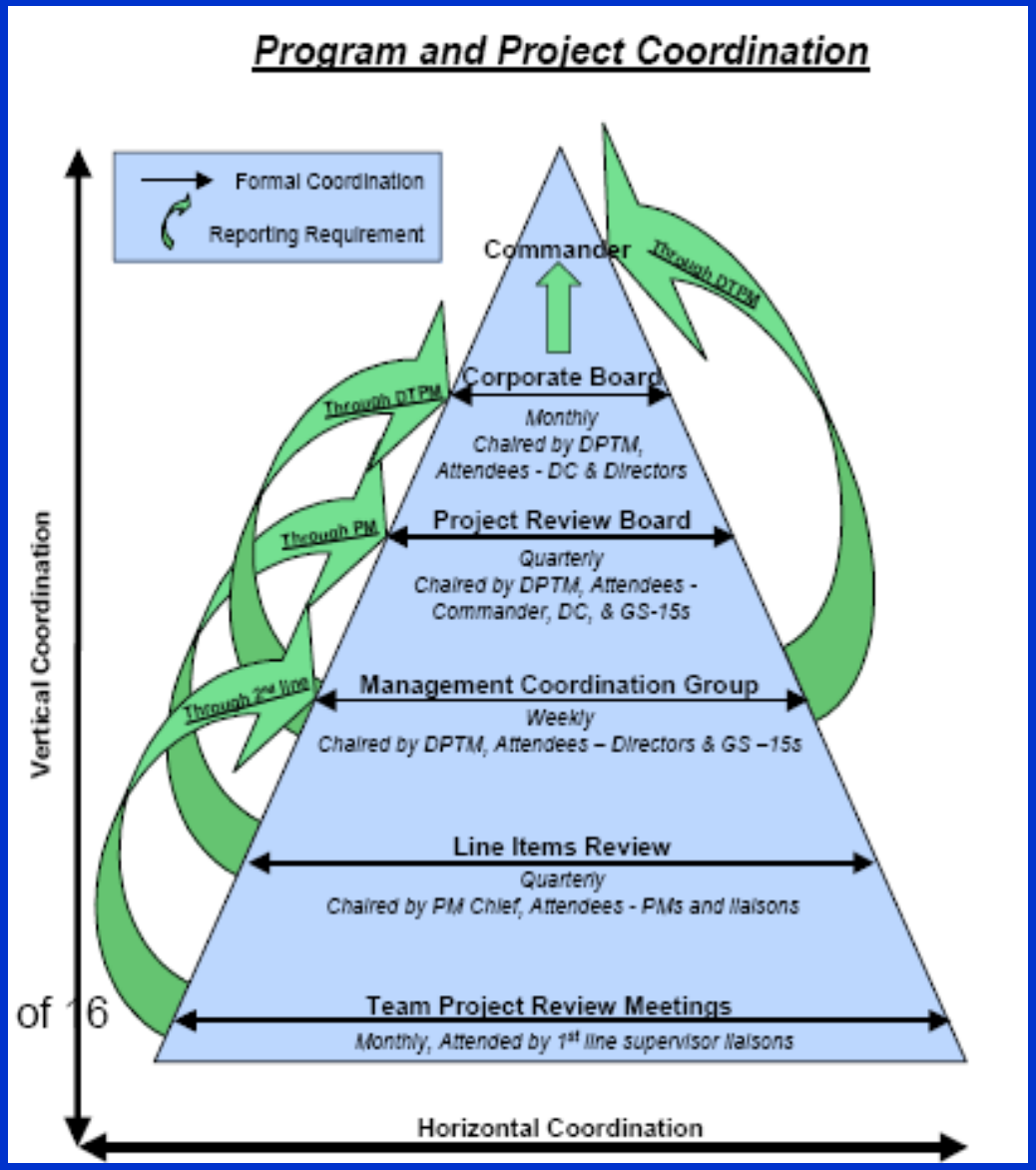
Project Coordination



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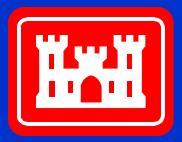
HNC Guiding Principles to Efficiency and Success

- Maintain cost effectiveness
- Reduce boundaries
- Adapt to changing environment
- Play by the rules



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Electronic Security System Principles

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Electronic Security Center Mission

Provide a wide range of electronic security system-related services to U.S. Government agencies worldwide. These services embrace physical security, force protection, anti-terrorism, and vulnerability reduction.

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Electronic Security Center Services

- Surveys, Design, Procurement, & Installation
- Antiterrorism/Force Protection Vulnerability Assessment
- Test and Evaluation
- Training
- Maintenance

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Electronic Security Center Design & Installation

Electronic Security Systems

- **Intrusion Detection**
  - **Interior Sensors**
  - **Exterior Sensors**
  - **Alarm Annunciation System**
- **Closed Circuit Television (CCTV)**
- **Electronic Entry Control Systems (Assess Control)**
  - **Entry Portals**
  - **Readers**
  - **Badge & Credential System**
  - **Biometrics**
- **Data Transmission System**
- **Electronic Security Equipment Integration**
- **Barriers**

Electronic Technology Systems Center "How We're Organized"

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Electronic Technology Systems Center

Electronic Security Center

Utility Monitoring & Control Center

MCX

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Electronic Security Center History of Program

- **Electronic Security Systems Mandatory Center of Expertise (ESS-MCX)**

  - **ESS-MCX charted 1983**
  - **USACE Response to AR 190-13, Army Physical Security Program**
  - **Known as Electronic Security Center (ESC)**

- **AR190-13: HQ USACE will …maintain centers of expertise for protective design and for IDS to provide assistance to all army elements**

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Electronic Security Systems Services to Corps Districts

Mandatory Services (ER 1110-1-8158), exceptions by USACE

- Project planning & design
  - DD 1391 Review
  - Site Surveys, if required
  - Submittal review
- Procurement
  - Use existing IDTs, if cost effective
  - Otherwise, MCX participates in technical evaluation
- Installation/construction
  - Submittal review
  - Participate in acceptance tests

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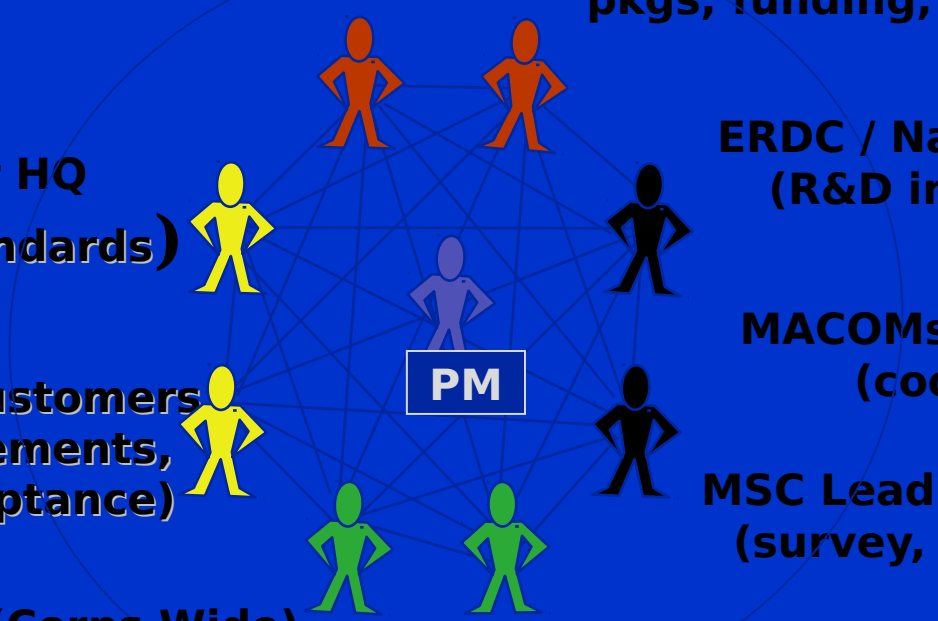
Cross Functional Project Delivery Team (PDT)

HQUSACE / DA
(policy, priorities, stds)

PM-FPS
(Program proponent, equip pkgs, funding, BPAs)



IMA / Customer HQ
(site priorities, standards)

ERDC / National Labs
(R&D initiatives)

MACOMs / Stakeholders
(coordination)

Installations/ Customers
(special requirements, approval, acceptance)

MSC Lead Districts
(survey, design)

CXs (Corps-Wide)
(technical expertise, mentoring, contract support)

Local Districts
(execution)

ETSC Project Delivery Team

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MCX Team

Ken Haynes – Technical Manager
Charles Malone – LPE
Craig Zeigler – PSS
Buland Mahmood – PE
Eddie Holder – PE
Michael Lewis – PE
Vacant – PE

ESS Team #1

Guy Wilson – PM
Wade Doss – PM
Elaine Wales – LPE
Jeff Alford – PE
Piet Vanderhoeven – PE
Vacant – PE
Vacant – PE
Carolyn Steuart – PE
John Wrona – PSS
Jonathan Stephens – Intern

Program Support

Darrel Anerton – ETSC Technical Chief
Kathyrn Norton – Secretary
KoTrina Glover – Secretary
Steve Willoughby – ESC Technical Manager
Chuck Holland – UMCS Technical Manager
Kathy Sparks – Technician (invoicing / metrics)

Vacant – PM Division Chief
Ruth Smith – Secretary
Jeff Mitchell- ESS Program Manager
Vacant – UMCS Program Manager

UMCS Team

Ken Arrington – PM
Bill Borders – PM
Joan Thuesh – PM Spec
Suzanne Wear - KO
Lisa Parker – CT Spec
Donna Ragucci – CT Spec
Nadine Maack- CT Spec
Will White – LPE
Donnie Lambert – PE
Chris Newman – PE
Mitch Duke – PE
Candido Damian – PE
Vacant – PE
Kim Torrence – Intern
Patrick Mardis – Student Aide

ESS Team #2

Leigh Ann Toth – PM
Sandra Fisher – PM Spec
Donna Lawson – LPE
Daryl Britton – PE
Leigh Robinson – PE
Bill Goff – PE
Linda Taylor – PE
John Corcetti – PSS
Aaron Scott / David Shaw – Co-Ops

ESS Contracting

Vacant – KO
Gail Hodge – CT Spec
Paul Wright – CT Spec
Laura Stiegler – CT Spec
Joy Rice – CT Spec

Other Support

Ken Goddard – CT-P
James Steele – Estimating
Jannette Jones – RM
Chuck Williams – OC
Andrew Blaisdell & Victor Taylor – Safety
Service / Security / Other

WSS Team

Allen Shelvin - PM
Lequita Byrd-Craig – PM Spec

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Electronic Security Systems Customers

DoD

- US Army, Europe
- US Forces Korea
- US Army Japan
- US Southern Command
- US Army Central Command
- National Guard Bureau
- National Missile Defense Management
- AFRRI
- USAMRIID
- DFAS
- Missouri National Guard
- Georgia National Guard Envr Health Sci
- Texas National Guard

Support for Others

John F. Kennedy Center
FBI
US Customs Service
Immigration &

US Dept of Agriculture
DHS (Plum Island)
Bureau of Land

Smithsonian Institute
Veteran's Administration
GSA
FDA
National Institute for

Bureau of Engraving and

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Electronic Security Systems Volume of Work

FY	Obligations ($M)
• 2002	$24.2
• 2003	$131.2 *
• 2004	$116.5 *
• 2005	$ 37.2
• 2006	$ 42.6 (revised 10 Mar 06)

Ongoing: 17 contracts, 81 task orders, value of $104M

*** Obligations include Access Control Point Equipment Program and Critical Infrastructure**

Electronic Security Systems
Funds Received

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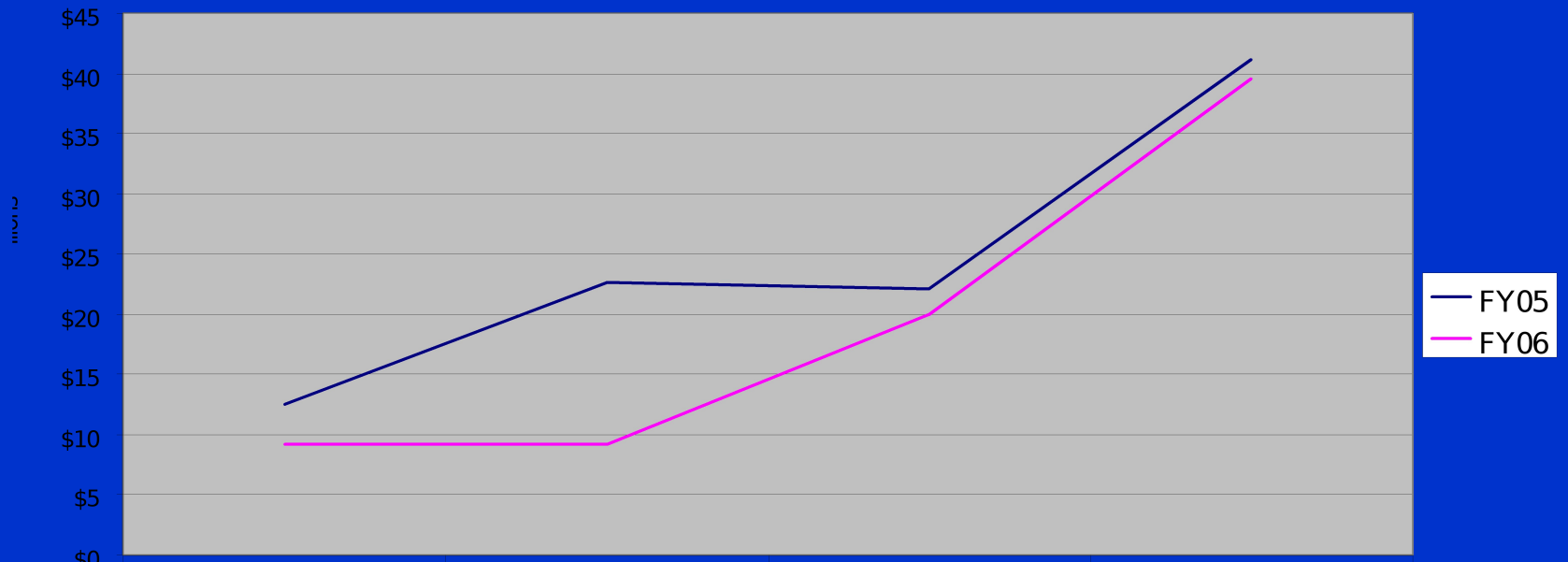
Funds Received for ESS
FY05 vs. FY06

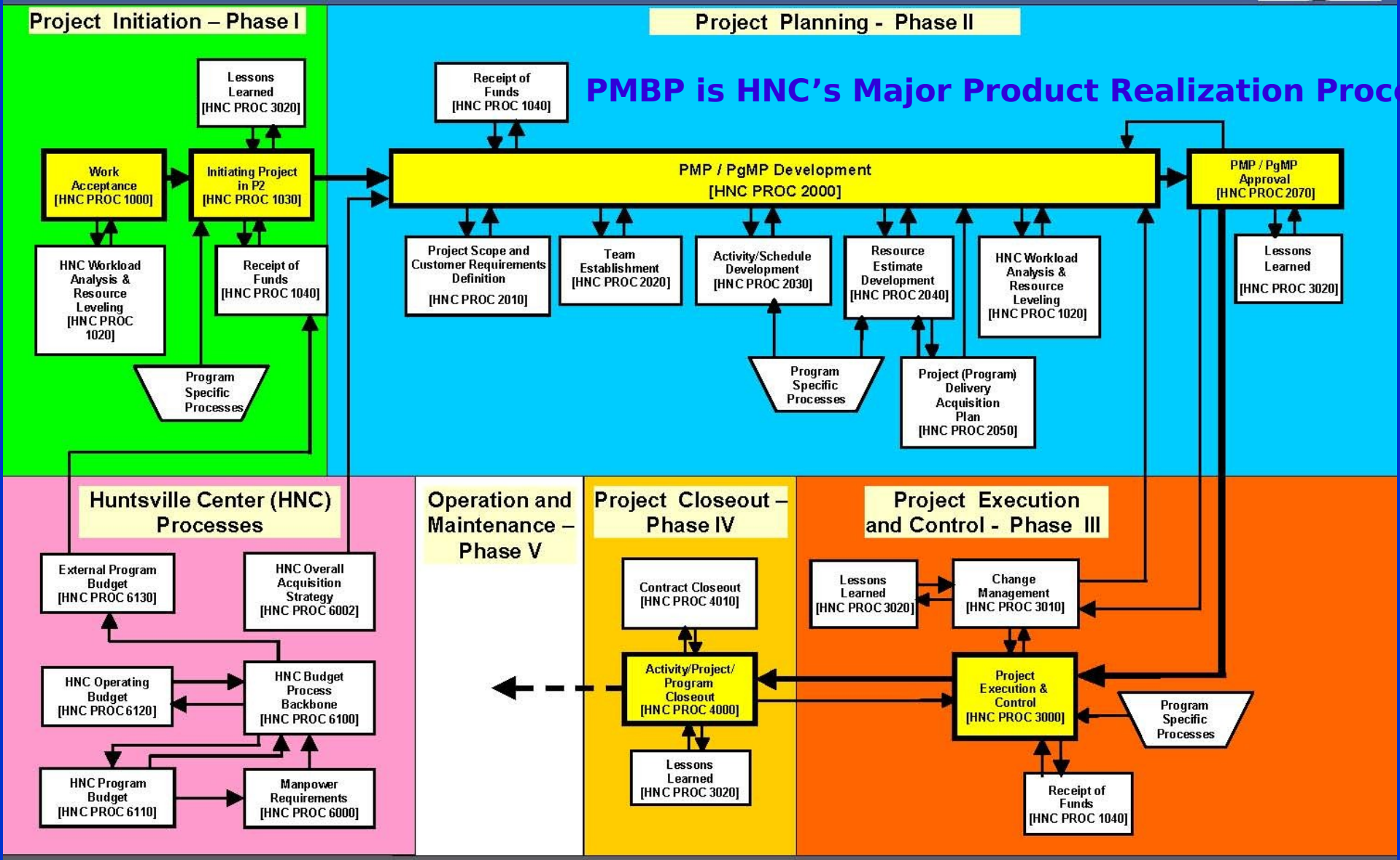


	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr
FY05	$12,541,259.93	$22,645,801.08	$22,144,986.11	$41,173,243.46
FY06	$9,175,934.33	$9,200,000.00	$20,000,000.00	$39,500,000.00

US Army Corps of Engineers

Huntsville Center Project Management Business Process
Project (Program) Delivery Processes

15 Nov 02


Project Initiation – Phase I
Project Planning - Phase II
PMBP is HNC's Major Product Realization Proc
Lessons Learned [HNC PROC 3020]
Receipt of Funds [HNC PROC 1040]
Work Acceptance [HNC PROC 1000]
Initiating Project in P2 [HNC PROC 1030]
PMP / PgMP Development [HNC PROC 2000]
PMP / PgMP Approval [HNC PROC 2070]
HNC Workload Analysis & Resource Leveling [HNC PROC 1020]
Receipt of Funds [HNC PROC 1040]
Project Scope and Customer Requirements Definition [HNC PROC 2010]
Team Establishment [HNC PROC 2020]
Activity/Schedule Development [HNC PROC 2030]
Resource Estimate Development [HNC PROC 2040]
HNC Workload Analysis & Resource Leveling [HNC PROC 1020]
Lessons Learned [HNC PROC 3020]
Program Specific Processes
Program Specific Processes
Project (Program) Delivery Acquisition Plan [HNC PROC 2050]
Huntsville Center (HNC) Processes
Operation and Maintenance – Phase V
Project Closeout – Phase IV
Project Execution and Control - Phase III
External Program Budget [HNC PROC 6130]
HNC Overall Acquisition Strategy [HNC PROC 6002]
Contract Closeout [HNC PROC 4010]
Lessons Learned [HNC PROC 3020]
Change Management [HNC PROC 3010]
HNC Operating Budget [HNC PROC 6120]
HNC Budget Process Backbone [HNC PROC 6100]
Activity/Project/ Program Closeout [HNC PROC 4000]
Project Execution & Control [HNC PROC 3000]
Program Specific Processes
HNC Program Budget [HNC PROC 6110]
Manpower Requirements [HNC PROC 6000]
Lessons Learned [HNC PROC 3020]
Receipt of Funds [HNC PROC 1040]

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Electronic Security Systems PMBP Principles

- One project, one team, one project manager
- Plan for success and keep commitments
- The PDT is responsible for project success
- Measure quality with goals/expectations in the PMP
- Manage all work with PMP using corporate AIS
- Build effective communications into all activities and processes
- Use best practices and seek continuous improvement

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Electronic Security Systems Project Management Plan (PMP)

- **Administrative Data**
- **Scope of Work**
- **Team Identification**
- **Critical Assumptions, Constraints, Issues**
- **Work Breakdown Structu**
- **Contract Acquisition Pla**
- **Funding Data**
- **Schedule (start, end date**
- **Quality Control**
- **Communications**

No project executed without PMP

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Value Management

Value Management review required on all task orders exceeding $1M; unless Customer waives requirement

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Safety
Accident Prevention Plans (APP)

- Contractor responsible for preparing APP
- HNC accepts Abbreviated APP prior to any site visit
- Accident Prevention Plan required 15 days prior to mobilization for installation work
- Guidance in EM 385-1-1

(www.hnd.usace.army.mil; select Techinfo, then Engineer Publications; then Engineer Manuals)

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CEHNC Quality Policy

The U.S. Army Corps of Engineers

Engineering and Support Center in Huntsville is

Committed to providing quality services through the

Empowerment of our people in order to offer the

Highest level of Customer Care for fulfilling

National priorities while

Continually improving our processes to meet the challenges of the future.

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Quality Management

To deliver quality products and services…

- **We plan, develop, and control our delivery processes.**
- **We determine customer, stakeholder, statutory, and regulatory requirements.**
- **We ensure that our products meet the requirements.**
- **We ensure that our suppliers meet the requirements.**
- **We ensure that employees understand the delivery processes.**

Quality Management System (QMS)

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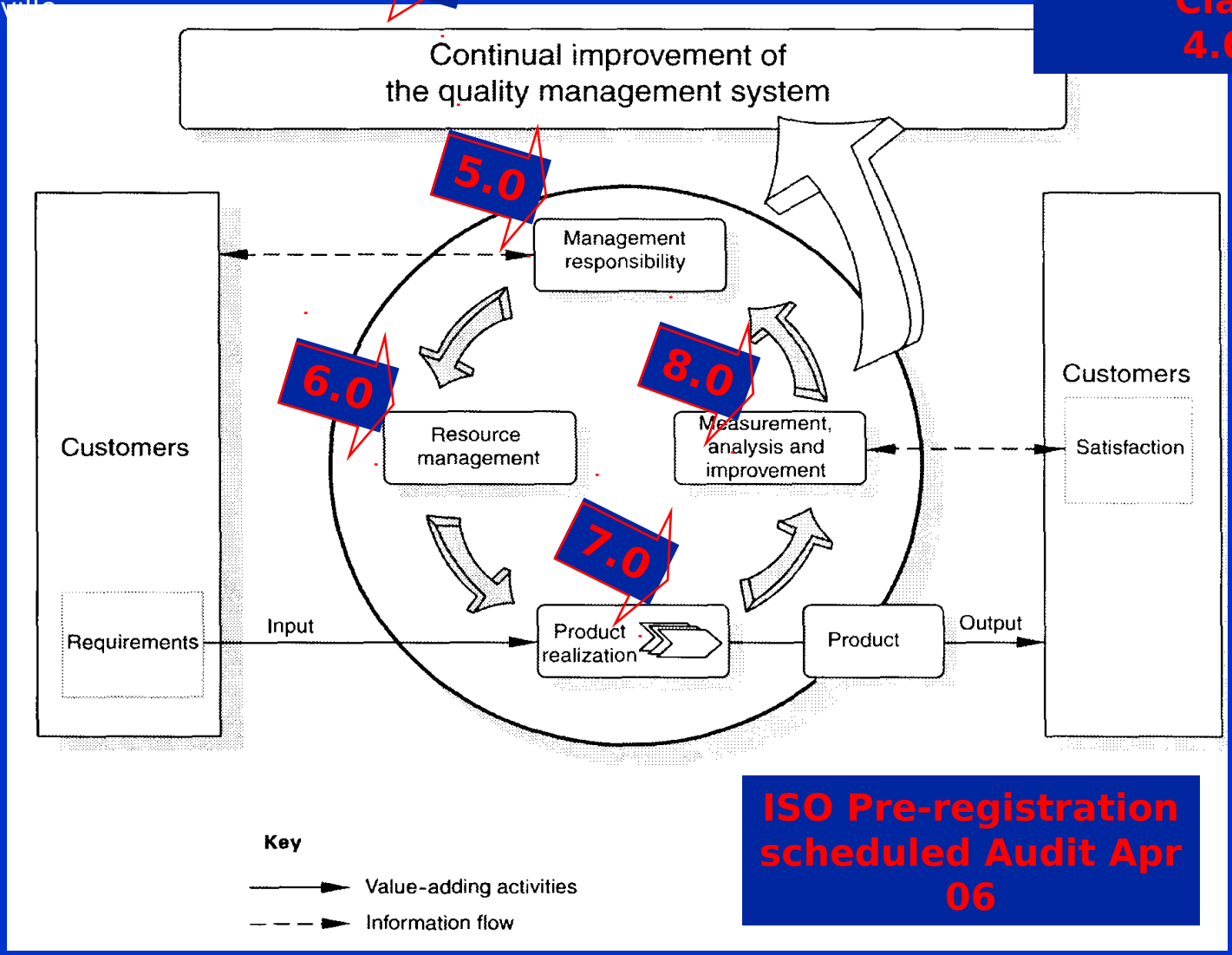
4.0 QMS Documented QMS

ISO's 5 Major Clauses: 4.0-8.0



ISO Pre-registration scheduled Audit Apr 06

ETSC Metrics Strategy Map FY06

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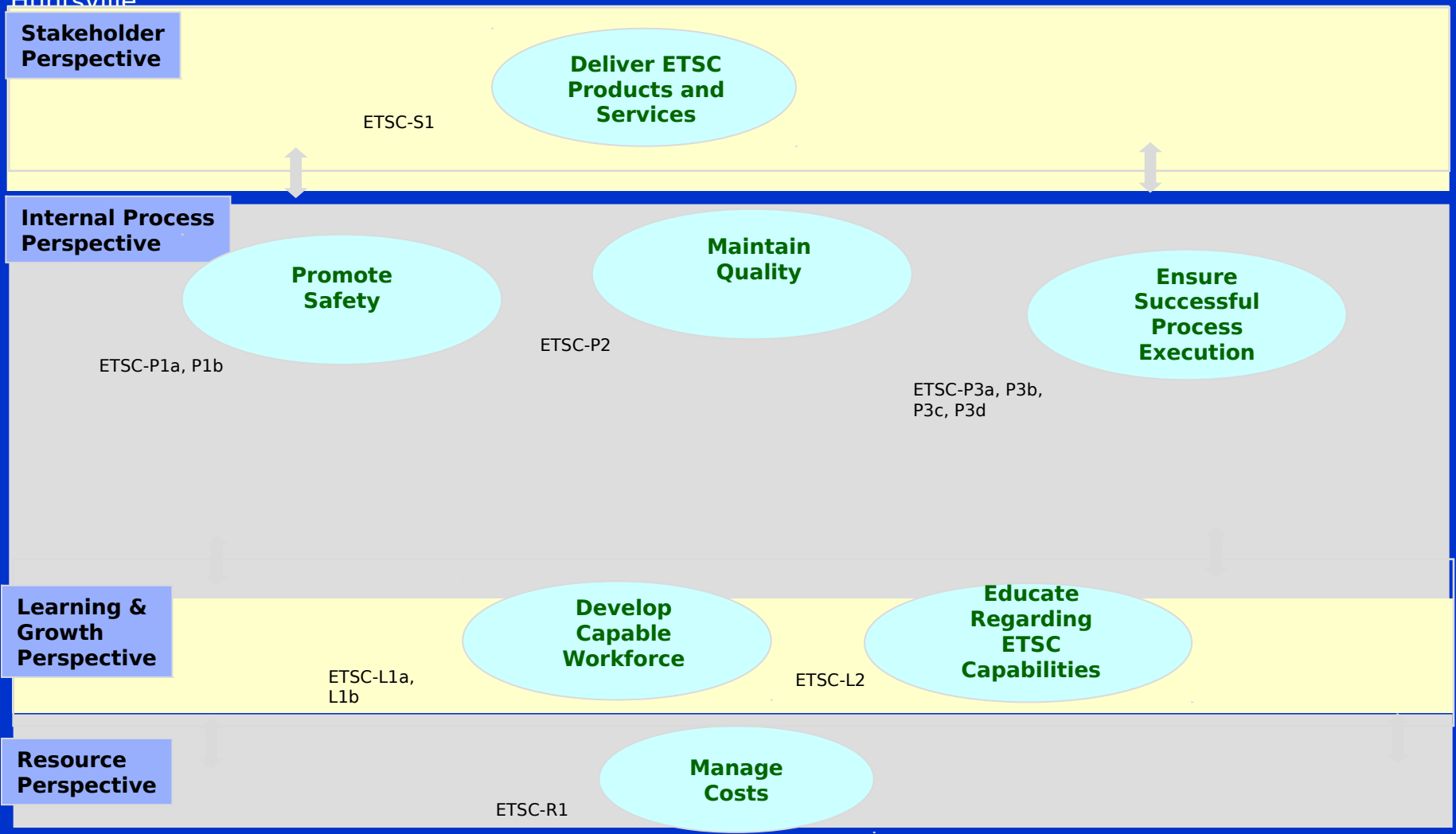

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Potential Future Opportunities

- IMA
- DOJ
- DHS
- DTRA
- Ft. Meade
- Ft. Leavenworth
- Ft. Campbell

Marketing

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Electronic Security Systems Project Management Focus Areas

- Scope
- Schedule!
- Budget
- Performance

What's important in project management?